METEOROLOGICAL JOURNAL

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METEOROLOGICAL JOURNAL
for January 1778.

	Time. H.	Time. M.	Therm. without	Therm within.	Barom.	Rain.	Winds. Points.	Winds. Str.	Weather.
					Inches.	Inch.			
Jan. 1	8	0	34,0	35,0	29,69		N	1	Cloudy.
	2	0	35,0	35,0	29,92		N	1	Cloudy.
2	8	0	32,5	34,5	29,95		N by W	1	Cloudy.
	2	0	36,0	35,5	29,94		NW	1	Fair.
3	8	0	27,0	32,0	29,94		SE	1	Fair and frosty.
	2	0	36,0	34,0	29,84		SE	1	Fair and frosty.
4	8	0	37,0	35,5	29,72	0,169	W by N	1	Cloudy.
	2	0	37,0	37,5	29,77		WNW	1	Foggy.
5	8	0	35,5	37,0	29,80		ENE	1	Cloudy.
	2	0	36,0	37,5	29,91		NE	1	Cloudy.
6	8	0	35,5	35,5	30,31		SE	1	Cloudy.
	2	0	37,0	37,5	30,31		NE	1	Fair.
7	8	0	34,0	37,5	30,28		SW	1	Cloudy.
	2	0	34,0	39,0	30,26		SW	1	Cloudy.
8	8	0	32,0	35,5	30,26		NE	1	Cloudy.
	2	0	35,0	35,5	30,27		NE	1	Fair.
9	8	0	32,5	35,0	30,32		NE	1	Fair.
	2	0	33,0	34,5	30,30		NE	1	Fair.
10	8	0	35,0	35,5	30,16		ENE	1	Fair.
	2	0	37,0	36,5	30,07		NW	1	Fair.
11	8	0	32,5	35,0	29,90		NE	1	Fair.
	2	0	35,5	36,0	29,92		NE	1	Snow.
12	8	0	33,0	35,0	29,63		ESE	1	Snow.
	2	0	38,0	37,5	29,57		ESE	1	Fine.
13	8	0	33,5	36,0	29,43	0,222	SE	1	Snow.
	2	0	35,5	38,5	29,35		SE	1	Fair.
14	8	0	33,5	37,0	28,87	0,095	E by S	2	Cloudy.
	2	0	37,0	39,0	28,59		ESE	1	Rain.
15	8	0	40,0	41,0	28,68	0,139	S by E	1	Fair.
	2	0	45,0	42,5	28,76		SE	1	Rain.
16	8	0	44,0	44,0	29,06	0,116	SSW	1	Cloudy.
	2	0	48,0	46,5	29,19		SW	1	Fair.

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	Time. H.	M.	Therm. without	Therm. within.	Barom.	Rain.	Winds. Points.	Str	Weather.
					Inches.	Inch.			
Jan. 17	8	0	40,0	45,5	29,50	0,118	SSW	1	Fair.
	2	0	48,0	48,5	29,52		SW	1	Fine.
18	8	0	35,0	43,5	29,58		SE	1	Foggy.
	2	0	45,0	45,0	29,48		S by E	1	Fair.
19	8	0	44,0	44,0	29,21	0,167	SW	1	Cloudy.
	2	0	46,0	46,5	29,29		SW	2	Fair.
20	8	0	43,0	45,0	29,44	0,147	SW	2	Fair.
	2	0	44,5	48,5	29,49		SW	2	Fine.
21	8	0	40,0	45,0	29,09	0,297	SW	1	Cloudy.
	2	0	46,0	47,5	29,20		SW	1	Cloudy.
22	8	0	39,0	44,0	29,01		SSW	1	Fair.
	2	0	44,0	44,5	28,95		SW	1	Fine.
23	8	0	41,0	44,0	29,45	0,060	SW	1	Foggy.
	2	0	45,0	40,0	29,49		SW	1	Cloudy.
24	8	0	39,0	44,0	29,38	0,020	NE by N	1	Cloudy.
	2	0	42,0	45,0	29,41		NE	1	Cloudy.
25	8	0	35,5	40,0	29,39	0,435	NE	2	Rain.
	2	0	35,0	40,0	29,55		NE	3	Rain and snow.
26	8	0	30,0	38,0	30,21	0,126	N by E	1	Fair and frosty.
	2	0	36,0	38,0	30,28		NE	1	Fine.
27	8	0	25,0	32,5	30,14		NE	1	Fair and frosty.
	2	0	32,0	33,0	30,01		NE	1	Fine.
28	8	0	22,0	30,0	30,03		SW	1	Frosty.
	2	0	32,5	31,5	30,13		WSW	1	Cloudy.
29	8	0	34,5	33,0	30,08		S by W	1	Fair.
	2	0	40,5	35,0	30,11		NW	1	Foggy.
30	8	0	37,0	37,0	30,16		S by E	1	Cloudy.
	2	0	43,0	39,0	30,13		SW by W	1	Fine.
31	8	0	33,0	36,5	30,13		E	1	Foggy.
	2	0	39,0	38,0	30,11		SE	1	Cloudy.

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for February 1778.

	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points.	Str.	
Feb. 1	8	0	35,5	37,5	30,16	0,012	NE	1	Cloudy.
	2	0	38,0	40,0	30,18		NE	1	Cloudy.
2	8	0	34,5	37,5	30,21		NE	1	Cloudy.
	2	0	36,0	37,5	30,24		NE	1	Cloudy.
3	8	0	35,0	37,5	30,24		SE	1	Cloudy.
	2	0	38,0	40,0	30,32		SE	1	Cloudy.
4	8	0	37,0	40,0	30,22		SE	1	Cloudy.
	2	0	37,5	41,0	30,13		SE	1	Cloudy.
5	8	0	34,5	38,5	29,53		SE	1	Cloudy.
	2	0	41,0	40,0	29,86		SE	1	Fair.
6	8	0	38,5	39,5	29,64		E by N	1	Foggy.
	2	0	47,0	41,5	29,52		E by N	1	Fine.
7	8	0	44,0	43,0	29,52		SE	1	Cloudy.
	2	0	48,0	44,5	29,67		SE	1	Fair.
8	8	0	40,0	43,0	29,86	0,047	SW	1	Fair.
	2	0	48,0	45,0	29,75		SSW	2	Fine.
9	8	0	40,0	44,5	29,84		E	1	Cloudy.
	2	0	48,0	46,5	29,95		E	1	Fine.
10	8	0	34,5	41,5	30,09		E by N	1	Foggy.
	2	0	37,0	44,5	30,07		E by N	1	Cloudy.
11	8	0	35,0	40,0	30,25		NE by E	1	Cloudy.
	2	0	37,0	41,5	30,22		NE	1	Fair.
12	8	0	34,0	38,5	30,35		NE	1	Cloudy.
	2	0	36,0	39,0	30,35		NE	1	Fair.
13	8	0	33,0	38,0	30,35		SW	1	Fair.
	2	0	35,0	41,0	30,33		SW	1	Fine.
14	8	0	38,0	40,0	29,80	0,050	WSW	1	Fair.
	2	0	43,5	43,0	29,56		WSW	1	Rain.
15	8	0	33,5	38,0	29,46	0,038	NW	1	Fine.
	2	0	32,0	40,0	29,37		NW	1	Fine.
16	8	0	33,0	38,0	29,23	0,016	N by W	1	Cloudy.
	2	0	33,5	38,5	29,16		NNW	1	Snow and rain.

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	Time. H.	M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Str.	Weather.
Feb. 17	8	0	33,0	36,5	29,39	0,045	N	1	Fair.
	2	0	35,0	38,5	29,39		N	1	Snow.
18	8	0	31,5	35,5	29,51	0,050	N by W	1	Snow.
	2	0	35,5	38,0	29,51		NW	1	Fine.
19	8	0	27,5	34,5	29,67		N by W	1	Fair.
	2	0	36,0	36,0	29,69		NW	1	Fine.
20	8	0	33,5	36,5	29,69		NW	1	Cloudy.
	2	0	40,0	38,5	29,74		NW	1	Cloudy.
21	8	0	41,0	40,0	29,99	0,070	W	1	Foggy.
	2	0	49,0	43,0	30,05		W	1	Rain.
22	8	0	46,0	45,0	29,99	0,010	WSW	1	Fair.
	2	0	52,0	47,5	29,96		WSW	1	Fine.
23	8	0	49,0	48,0	29,59		SW	2	Cloudy.
	2	0	48,0	48,0	29,59		SW	2	Fair.
24	8	0	35,0	40,0	29,27	0,072	WSW	2	Fair.
	2	0	46,0	43,5	29,29		SW	2	Fine.
25	8	0	36,0	39,5	29,23		NNW	2	Fair.
	2	0	35,0	39,0	29,38		NNW	2	Rain.
26	8	0	39,5	34,0	29,62	0,020	NNW	2	Fine.
	2	0	35,5	35,5	29,68		N by W	2	Fine.
27	8	0	25,5	32,5	29,78		S by W	1	Fair and frosty.
	2	0	35,0	38,0	29,59		SW	1	Fair.
28	8	0	37,0	35,0	29,15	0,097	W by S	1	Fair.
	2	0	44,0	37,0	29,19		NW	1	Fine.

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for March 1778.

	Time. H.	Time. M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Winds. Str.	Weather.
Mar. 1	8	0	31,5	36,0	29,17		ENE	1	Fair and frofty.
	2	0	44 0	38,0	29,17		SE	1	Fine.
2	8	0	35,5	38,0	29,21	0,326	NNE	1	Rain.
	2	0	41,0	40,0	29,18		NE	1	Fair.
3	7	0	34,5	38,0	29,27		NE by N	1	Fair.
	2	0	42,0	40,0	29,34		NE	1	Fine.
4	7	0	36,0	38,0	29,42		NNW	1	Fair.
	2	0	40,0	40,0	29,46		NW	1	Fair.
5	7	0	34,0	37,0	29,37		NE by N	1	Fair.
	2	0	40,0	39,0	29,37		NE	1	Rain.
6	7	0	34,5	38,0	29,43		WNW	1	Fair.
	2	0	41,0	40,0	29,54		NW	1	Fair.
7	7	0	36,0	39,0	29,75	0,037	NE by N	1	Rain.
	2	0	40,0	40,0	29,76		NE	1	Fair.
8	7	0	35,5	38,0	29,69	0,055	NE	1	Rain.
	2	0	40,0	39,5	29,70		ENE	1	Cloudy.
9	7	0	36,0	38,5	29,73		NE	1	Cloudy.
	2	0	39,0	41,0	29,75		NE	1	Fair.
10	7	0	37,0	38,5	29,72		NW	1	Fair.
	2	0	42,0	42,5	29,78		NW	1	Fair.
11	7	0	39,0	41,0	29,94		ENE	1	Cloudy.
	2	0	46,0	45,0	30,06		NE	1	Fair.
12	7	0	38,5	42,0	30,21		ENE	1	Fair.
	2	0	41,0	42,5	30,27		NE	1	Fair.
13	7	0	32,5	39,0	30,36		NE by E	1	Fine.
	2	0	45,0	41,0	30,43		NE	1	Fine.
14	7	0	26,0	35,0	30,38		N	1	Fair.
	2	0	41,0	39,0	30,31		NNE	1	Fine.
15	7	0	36,0	38,0	30,26		ENE	1	Fair.
	2	0	42,5	39,5	30,22		ENE	1	Fair.
16	7	0	37,5	39,0	30,19		NE	1	Fair.
	2	0	40,0	41,5	30,19		NE	1	Fair.

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	Time.		Therm. without	Therm. within.	Barom	Rain.	Winds.		Weather.
	H.	M.			Inches	Inch.	Points.	Str.	
Mar. 17	7	0	36,0	40,0	30,16		SE	1	Fair.
	2	0	49,0	44,5	30,16		SE	1	Fine.
18	7	0	38,0	42,0	30,03		SW	1	Fine.
	2	0	57,0	47,0	30,01		SW	1	Fine.
19	7	0	41,5	46,0	29,97		SSW	1	Fair.
	2	0	48,0	48,5	29,88		NW	1	Fine.
20	7	0	38,0	45,0	29,59		E by N	1	Fair.
	2	0	45,0	47,0	29,53		E by N	1	Fair.
21	7	0	32,0	47,0	29,50		SW by S	1	Fair.
	2	0	57,0	49,0	29,50		SW	1	Fine.
22	7	0	49,0	50,0	29,25	0,152	SW	2	Fine.
	2	0	55,5	52,5	29,22		SW	2	Fine.
23	7	0	48,0	51,0	29,13	0,020	SW	1	Rain.
	2	0	51,5	52,5	29,02		WSW	2	Cloudy.
24	7	0	42,0	49 0	29,25	0,271	SW	1	Fine.
	2	0	47,5	50,0	29,17		SSW	2	Rain.
25	7	0	37,5	46,5	29,21	0,220	NNE	2	Cloudy.
	2	0	44,0	46,5	29,46		NNE	2	Fine.
26	7	0	34,0	40,5	30,00		NNW	1	Fine.
	2	0	46,5	43,0	30,12		SW	1	Fine.
27	7	0	36,0	41,0	30,22		SW	1	Fine.
	2	0	49,0	44,0	30,24		SW	1	Fine.
28	7	0	41,0	43,0	30,12		SSE	2	Rain.
	2	0	45,0	44,0	30,09		SW	2	Rain.
29	7	0	49,0	46,0	30,04	0,150	S by E	1	Fair.
	2	0	60,0	50,0	30,06		S by E	1	Fine.
30	7	0	51,0	50,0	29,94		SW	1	Fair.
	2	0	57,0	53,0	29,91		SW	1	Fair.
31	7	0	53,0	54,0	29,89	0,012	WSW	1	Fair.
	2	0	60,0	58,0	29,93		SW	1	Fine.

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for April 1778.

	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
April 1	7 0	50,5	53,5	29,96	0,055	SW	1	Fair.
	2 0	55,0	55,5	29,93		SW	1	Fine.
2	7 0	48,0	51,0	29,61		SE	1	Fair.
	2 0	65,0	55,0	29,59		SE	1	Fine.
3	7 0	48,5	54,0	29,40		SW	1	Fair.
	2 0	57,0	60,0	29,56		SW	1	Fine.
4	7 0	49,5	54,5	29,52	0,048	SW b W	1	Fair.
	2 0	58,5	57,5	29,57		S by W	2	Fine.
5	7 0	45,0	52,0	29,82	0,103	SSW	2	Fine.
	2 0	57,5	54,0	29,84		SSW	2	Fine.
6	7 0	47,5	52,0	29,82		SSW	2	Fine.
	2 0	58,5	55,0	29,82		SW	2	Fine.
7	7 0	49,0	53,0	30,03	0,032	NW	1	Rain.
	2 0	59,0	56,0	30,16		NW	1	Fair.
8	7 0	46,0	52,0	30,20		NE	1	Fair.
	2 0	61,0	56,0	30,13		ESE	1	Fine.
9	7 0	50,5	53,0	30,03		NE by E	1	Fine.
	2 0	66,0	61,0	30,02		ESE	1	Fine.
10	7 0	49,5	55,0	30,14		NE by N	1	Fine.
	2 0	69,5	60,0	30,20		NE	1	Fine.
11	7 0	48,0	57,0	30,23		NE	1	Fine.
	2 0	69,0	60,0	30,24		NE	1	Fine.
12	7 0	50,0	57,0	30,23		SSW	1	Fine.
	2 0	71,5	63,0	30,17		NNW	1	Fine.
13	7 0	51,0	58,0	30,01		NNW	1	Fair.
	2 0	67,5	62,0	29,87		NW	1	Fine.
14	7 0	42,5	53,0	29,82	0,029	NW b W	2	Fine.
	2 0	49,0	52,0	29,79		NW	2	Fine.
15	7 0	39,0	45,5	29 67	0,016	NW b N	2	Fair.
	2 0	47,0	45,0	29,62		NW	2	Fine.
16	7 0	34,5	43,0	29,59		N W b W	1	Fine.
	2 0	48,0	47,5	29,65		NW	1	Fine.

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	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points.	Str.	
Apr. 17	7	0	41,0	45,0	29,64	0,026	SW	1	Fair.
	2	0	51,0	49,5	29,61		SW	1	Fine.
18	7	0	40,0	46,0	29,81	0,023	SW by S	1	Fine.
	2	0	54,0	51,0	29,95		SW	1	Fine.
19	7	0	47,0	47,5	29,94		SW by W	1	Fair.
	2	0	59,0	52,0	29,89		SW	1	Fine.
20	7	0	44,0	50,0	29,71	0,119	W by N	1	Fine.
	2	0	56,0	54,0	29,66		NNW	1	Fine.
21	7	0	41,0	47,0	29,44	0,030	NW	1	Fine.
	2	0	45,0	50,0	29,48		NW	1	Fair.
22	7	0	37,0	44,0	29,56	0,040	N by W	2	Fair.
	2	0	40,0	46,0	29,65		NW	2	Rain.
23	7	0	36,5	42,5	29,72	0,023	N by W	1	Fine.
	2	0	47,0	46,0	29,73		NW	1	Fine.
24	7	0	36,0	42,0	29,74		N by E	1	Fine.
	2	0	47,0	46,5	29,78		NE	1	Fine.
25	7	0	42,0	44,0	29,89		NE	1	Fine.
	2	0	51,5	48,5	29,91		NE	1	Fine.
26	7	0	39,5	43,5	29,73		ENE	1	Fine.
	2	0	52,5	47,0	29,65		NE	1	Fine.
27	7	0	41,0	45,0	29,45	0,025	NE	1	Rain.
	2	0	52,0	50,0	29,51		NE	1	Fair.
28	7	0	44,5	47,0	29,50	0,045	ENE	1	Fair.
	2	0	51,0	50,5	29,51		NE	1	Cloudy.
29	7	0	44,0	48,0	29,48	0,010	ENE	1	Fair.
	2	0	53,5	52,0	29,39		NE	1	Fine.
30	7	0	46,0	49,5	29,30	0,110	NE	1	Fair.
	2	0	58,0	53,0	29,32		NE	1	Fine.

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for May 1778.

	Time. H.	Time. M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Winds. Str.	Weather.
May 1	7	0	49,0	52,0	29,34		ENE	1	Cloudy.
	2	0	52,5	33,5	29,43		E by S	1	Rain.
2	7	0	50,0	53,0	29,61	0,327	S by E	1	Fine.
	2	0	58,5	55,0	29,62		S by E	1	Rain.
3	7	0	51,0	54,0	29,55	0,155	E by S	1	Rain.
	2	0	61,0	57,5	29,54		SE	1	Rain.
4	7	0	53,0	56,0	29,55	0,124	SSW	1	Rain.
	2	0	65,0	62,5	29,61		SW	1	Fine.
5	7	0	54,0	57,0	29,74		SSW	1	Fair.
	2	0	61,5	59,0	29,94		SW	1	Fine.
6	7	0	50,0	55,5	29 98	0,038	S by E	1	Fair.
	2	0	59,0	57,5	29,95		SE	2	Fair.
7	7	0	54,0	56,5	29,82	0,020	S by W	2	Cloudy.
	2	0	61,5	58,5	29,85		SW	1	Fine.
8	7	0	52,5	56,0	29,94	0,012	S by E	1	Fine.
	2	0	61,0	59,0	29,94		SE	1	Cloudy.
9	7	0	53,0	54,0	29,91		S by W	1	Fair.
	2	0	58,5	58,0	29,96		SW b W	2	Cloudy.
10	7	0	50,0	55,0	30,20	0,046	SW	1	Fine.
	2	0	66,0	59,0	30,20		SW	1	Fine.
11	7	0	54,5	56,0	30,10		SW by S	1	Fine.
	2	0	67,0	64,5	30,03		SW	1	Fine.
12	7	0	56,5	58,0	29,70		SW	1	Fine.
	2	0	65,5	63,0	29,66		8W	2	Fine.
13	7	0	53,0	59,0	29,55	0,034	S by E	1	Rain.
	2	0	64,5	62,0	29,59		SW	1	Fine.
14	7	0	55,0	59,5	29,65	0,010	S by E	2	Fine.
	2	0	67,0	61,5	29,79		S by E	2	Fine.
15	7	0	52,5	59,0	30,03	0,010	S by W	1	Fine.
	2	0	63,5	61,0	30,04		SW	1	Fine.
16	7	0	55,5	59,0	29,97		S by W	1	Cloudy.
	2	0	68,0	61,5	29,99		SW	1	Fine.

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	Time. H.	M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Str.	Weather.
May 17	7	0	54,0	58,5	29,73	0,075	SW	2	Cloudy.
	2	0	59,0	61,5	29,67		SW	3	Cloudy.
18	7	0	51,0	58,0	29,68	0,114	SW	2	Fine.
	2	0	61,5	59,5	29,75		SW	2	Fine.
19	7	0	52,0	56,0	30,00		WSW	1	Fine.
	2	0	63,0	60,0	30,14		SW	1	Fine.
20	7	0	53,0	57,0	30,27		WSW	1	Fair.
	2	0	62,5	59,0	30,28		WSW	1	Fair.
21	7	0	55,0	58,0	30,24		NNE	1	Cloudy.
	2	0	66,0	61,0	30,20		NE	1	Fine.
22	7	0	54,5	60,0	29,96		W by S	1	Fair.
	2	0	58,5	59,5	29,92		NW b N	1	Rain.
23	7	0	50,5	57,0	30,07	0,074	NNW	1	Fair.
	2	0	60,0	58,0	30,12		NW	1	Fine.
24	7	0	51,5	56,0	30,08		SSW	1	Fine.
	2	0	62,0	57,0	30,05		SW	1	Fine.
25	7	0	51,0	54,5	29,41		NE	1	Fair.
	2	0	58,0	56,0	29,76		NE	1	Fine.
26	7	0	53,0	56,5	29,91		N by W	1	Fine.
	2	0	66,0	61,5	29,98		NE	1	Fine.
27	7	0	56,0	60,0	29,88	0,042	W by N	1	Cloudy.
	2	0	63,0	62,0	29,88		WNW	1	Fair.
28	7	0	54,0	59,0	30,03	0,052	NW	1	Fine.
	2	0	65,0	61,0	30,11		NW	1	Fine.
29	7	0	57,0	60,0	30,08		NW	1	Cloudy.
	2	0	68,5	64,0	30,03		NW	1	Fine.
30	7	0	56,0	61,5	30,07		NE	1	Fine.
	2	0	71,5	65,0	30,02		SW	1	Fair.
31	7	0	57,0	62,0	30,00		SSW	1	Fair.
	2	0	66,0	64,0	30,04		NE	1	Cloudy.

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	Time. H.	Time. M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Winds. Str.	Weather.
June 1	7	0	57,5	63,0	30,03		SSW	1	Fine.
	2	0	72,0	67,0	30,03		SW	1	Fine.
2	7	0	57,0	61,0	30,06		SW	2	Fine.
	2	0	66,5	63,0	30,02		SW	2	Fine.
3	7	0	52,0	60,0	29,84	0,012	SW	1	Fine.
	2	0	62,0	61,5	29,84		SSW	1	Fine.
4	7	0	53,5	60,0	29,75		SSW	1	Fine.
	2	0	59,0	61,0	29,75		SW	1	Fine.
5	7	0	51,0	58,5	29,82	0,505	SW	1	Fine.
	2	0	61,5	61,5	29,88		SW	1	Fine.
6	7	0	59,5	60,5	29,79		SSW	1	Fine.
	2	0	73,0	63,5	29,75		SW	2	Fine.
7	7	0	58,0	63,0	29,64		WSW	1	Fair.
	2	0	69,0	65,0	29,71		SW	1	Fine.
8	7	0	56,5	62,0	29,85		SW	1	Fine.
	2	0	68,5	65,5	29,93		SW	1	Fine.
9	7	0	57,0	62,0	30,07		SW	1	Fair.
	2	0	58,0	61,5	30,10		SW	1	Rain.
10	7	0	55,5	62,0	30,17	0,220	W by S	1	Fine.
	2	0	70,5	66,0	30,17		SSW	1	Fine.
11	7	0	59,5	60,0	30,14		SSW	1	Fair.
	2	0	72,0	67,0	30,19		SW	1	Fine.
12	7	0	64,0	66,0	30,16		SW	1	Fine.
	2	0	78,5	71,5	30,19		SW	1	Fine.
13	7	0	63,0	68,5	30,16		SSW	1	Fair.
	2	0	71,5	70,0	30,24		SW	1	Fine.
14	7	0	60,0	66,0	30,36		N by E	1	Fine.
	2	0	70,0	68,5	30,36		NE	1	Fine.
15	7	0	53,5	65,0	30,25	0,140	NNW	1	Fine.
	2	0	63,0	63,5	30,19		NW	1	Fine.
16	7	0	54,0	61,0	30,15	0,016	W by N	1	Fair.
	2	0	64,0	62,0	30,18		NW	1	Fine.

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	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points.	Str.	
June 17	7	0	58,5	61,0	30,12		SW	1	Fair.
	2	0	58,0	55,0	30,12		SW	1	Fair.
18	7	0	61,0	64,0	30,03	0,064	N by W	1	Fair.
	2	0	71,0	66,5	30,02		N by W	1	Fine.
19	7	0	63,5	66,5	30,09		N by E	1	Fair.
	2	0	73,5	71,0	30,13		NE	1	Fine.
20	7	0	61,0	67,0	30,18		NNE	1	Fair.
	2	0	74,0	70,5	30,22		NE	1	Fine.
21	7	0	62,0	67,0	30,29		SE	1	Fair.
	2	0	74,0	78,0	30,25		SW	1	Fine.
22	7	0	62,0	68,0	30,22		NW	1	Cloudy.
	2	0	76,5	72,0	30,21		NW	1	Fine.
23	7	0	62,5	70,0	30,22		N by W	1	Fine.
	2	0	76,0	72,5	30,17		NE	1	Fine.
24	7	0	64,5	68,5	30,08		E by N	1	Fair.
	2	0	73,5	72,5	30,02		E by N	2	Fine.
25	7	0	63,0	68,5	29,99		ENE	1	Fair.
	2	0	68,0	70,0	30,07		SW	1	Cloudy.
26	7	0	63,0	69,0	30,10	0,030	NW	1	Fine.
	2	0	78,5	72,0	30,16		NW	1	Fine.
27	7	0	66,5	70,0	30,06		SSE	1	Fine.
	2	0	82,0	75,5	30,14		SE	1	Fine.
28	7	0	63,5	70,0	29,86		SW	1	Fine.
	2	0	75,0	73,0	29,87		SW	1	Fine.
29	7	0	63,0	70,0	29,88		NNE	1	Fine.
	2	0	76,5	73,5	29,87		SW	1	Fine.
30	7	0	60,0	68,0	29,90	0,029	NE	1	Cloudy.
	2	0	77,5	73,0	29,93		NE	1	Fine.

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	Time.		Therm without	Therm. within	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches.	Inch.	Points.	Str.	
July 1	7	0	65,0	70,0	29,85		S by E	1	Cloudy.
	2	0	68,0	70,0	29,81		SE	1	Cloudy.
2	7	0	63,5	67,5	30,08		W	1	Fair.
	2	0	78,0	72,5	30,12		W	1	Fine.
3	7	0	63,0	69,0	30,01		S by W	1	Fine.
	2	0	75,0	72,5	29,98		SW	1	Fine.
4	7	0	65,0	70,0	30,02		S by W	1	Fair.
	2	0	78,0	73,0	30,08		SW	1	Fine.
5	7	0	70,5	72,0	29,96		ESE	1	Fine.
	2	0	82,0	78,5	29,95		SW	1	Fine.
6	7	0	67,5	76,0	30,00	0,204	W by S	1	Fine.
	2	0	78,0	76,0	30,05		SW	1	Fine.
7	7	0	61,5	72,5	30,04		NW b W	1	Fine.
	2	0	74,0	72,0	30,02		NW	1	Fair.
8	7	0	62,5	70,5	30,15		NW	1	Fine.
	2	0	73,5	72,5	30,24		NW	1	Fine.
9	7	0	63,0	66,0	30,28		NW	1	Fine.
	2	0	80,0	73,5	30,29		NW	1	Fine.
10	7	0	66,5	69,5	30,20		W	1	Fair.
	2	0	82,5	79,0	30,20		W by N	1	Fine.
11	7	0	66,0	75,0	30,19		NW	1	Fine.
	2	0	81,0	77,0	30,19		NW	1	Fine.
12	7	0	68,5	75,0	30,23		NW	1	Fair.
	2	0	79,0	76,0	30,26		NW	1	Fine.
13	7	0	72,5	77,0	30,26		ENE	1	Fine.
	2	0	86,0	81,0	30,19		SSW	1	Fine.
14	7	0	71,5	78,0	30,11		W by S	1	Fine.
	2	0	86,0	81,0	30,08		SW	1	Fine.
15	7	0	63,0	71,5	30,19		NE	1	Fair.
	2	0	77,5	76,5	30,23		NE	1	Fine.
16	7	0	67,0	72,0	30,11		SE	1	Fine.
	2	0	83,5	79,5	30,06		SW	1	Fine.

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	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
July 17	7 0	66,0	73.0	30,04		NNE	1	Fair.
	2 0	72,0	73,0	30,14		NE	1	Fair.
18	7 0	62,0	68,5	30,17		SE	1	Fine.
	2 0	78,0	72,0	30,12		ESE	1	Fair.
19	7 0	64,0	65,5	29,97		E by S	1	Fine and clear.
	2 0	78,0	72,0	29,94		SE	1	Clear.
20	7 0	66,5	71,0	29,57		NE	1	Clear, th. and l. laſt night.
	2 0	69,0	73,0	29,52		S by W	1	Much th. l. and heavy rain.
21	7 0	62,5	66,0	29,48	0,990	N by E	1	Fair.
	2 0	72,0	75,0	29,54		NE	1	Clear.
22	7 0	58,5	67,5	29,76	0,186	W by S	1	Cloudy.
	2 0	67,5	66,5	29,85		W by S	1	Cloudy.
23	7 0	61,0	65,5	29,67	0,165	SSW	2	Rain, much wind laſt n.
	2 0	62,0	66,5	29,72		SSW	1	Rainy.
24	7 0	57,0	64,5	29,72	0,175	SSW	1	Rain laſt night.
	2 0	59,0	66,0	29,69		SW	1	Much rain.
25	7 0	58,5	64,5	29,62	0,872	SE	2	Rainy.
	2 0	68,5	68,0	29,57		SE	2	Rainy.
26	7 0	60,0	64,5	29,78	0,209	SW	2	Fine, much wind laſt n.
	2 0	68,5	67,0	29,84		SW	2	Fine, after much w. & ſhow.
27	7 0	61,5	65,5	29,82	0,015	S by W	1	Cloudy.
	2 0	74,0	68,5	29,82		SW	1	Fine.
28	7 0	64,0	67,0	29,72	0,082	SW	2	Cloudy, wind and r. laſt n.
	2 0	68,5	68,0	29,75		SW	2	Showery.
29	7 0	60,0	66,0	29,79	0,046	WSW	1	Fair.
	2 0	70,0	68,5	29,99		SW	1	Fine.
30	7 0	60,5	63,0	29,88		S by E	1	Cloudy.
	2 0	72,5	78,0	29,80		SE	1	Cloudy.
31	7 0	59,0	65,0	29,77	0,209	S by E	1	Cloudy.
	2 0	65,0	65,0	29,83		SW	1	Much rain, th. and lightn.

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	Time. H.	Time. M.	Therm. without	Therm. within.	Barom.	Rain.	Winds. Points	Winds. Str.	Weather.
					Inches.	Inch.			
Aug. 1	7	0	58,5	63,0	30,10	0,930	NNE	1	Cloudy.
	2	0	72,0	66,0	30,19		NE	1	Fine.
2	7	0	63,0	65,5	30,20		SW	1	Fine.
	2	0	74,5	68,5	30,22		SW	2	Fine.
3	7	0	63,0	68,0	30,23		SSW	1	Fine.
	2	0	76,0	72,0	30,25		SW	1	Fine.
4	7	0	67,0	70,0	30,14		S by W	1	Fair.
	2	0	80,0	73,5	30,07		SW	1	Fine.
5	7	0	63,5	68,5	29,93		SW	1	Fine.
	2	0	78,0	73,5	29,89		SW	1	Fine.
6	7	0	67,5	72,0	29,84		SWbyW	1	Fair.
	2	0	75,0	73,5	29,87		SW	1	Fine.
7	7	0	67,5	69,5	29,88		SW	1	Cloudy.
	2	0	78,0	73,5	29,94		NW	1	Fine.
8	7	0	59,5	68,0	30,01		NNE	1	Cloudy.
	2	0	73,5	70.5	30,07		NE	1	Fine.
9	7	0	61,0	67,0	30,09		SW	1	Fine.
	2	0	74,5	70,5	30,09		SW	2	Cloudy.
10	7	0	62,5	69,0	30,11		W by S	1	Cloudy.
	2	0	76,0	72,5	30,14		NW	1	Fine.
11	7	0	64,5	70,5	30,03		SW	1	Cloudy.
	2	0	73,0	71,5	30,05		SW	2	Cloudy.
12	7	0	62,0	69,0	30,04		SW	1	Fine.
	2	0	75,0	72,5	30,08		SW	1	Fine.
13	7	0	63,5	69,0	29.91		SW	1	Cloudy.
	2	0	75,5	72,5	29,90		S by W	1	Fine.
14	7	0	65,0	69,5	29,59		SW	2	Fine.
	2	0	68,0	70,0	29,76		SW	2	Cloudy and much wind.
15	7	0	54,5	65,5	30,04	0,065	SW	1	Fine.
	2	0	70,0	68,5	30,15		SW	1	Fine.
16	7	0	56,5	59,5	30,33		NE	1	Fine.
	2	0	72,0	65,0	30,39		SW	1	Fine.

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	Time. H.	M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Str.	Weather.
Aug. 17	7	0	56,0	63,5	30,40		NE by E	1	Fine.
	2	0	72,0	69,0	30,36		NE by E	1	Fine.
18	7	0	59,5	65,0	30,24		NE	1	Fine.
	2	0	78,0	71,0	30,21		NE	1	Fine.
19	7	0	60,0	66,5	30,20		NE	1	Fine.
	2	0	79,5	72,5	30,19		SSE	1	Fine.
20	7	0	57,0	68,0	30,19		SE	1	Fair.
	2	0	78,5	71,5	30,16		SW	1	Fine.
21	7	0	62,0	69,0	30,20		NE	1	Fine.
	2	0	78,5	72,0	30,17		SE	1	Fine.
22	7	0	60,0	68,5	30,10		NE by N	1	Cloudy.
	2	0	76,5	73,0	30,09		SSE	1	Fine.
23	7	0	62,0	69,0	30,19		W by S	1	Fine.
	2	0	78,0	73,5	30,28		W by N	1	Fine.
24	7	0	60,5	68,0	30,44		WNW	1	Fine.
	2	0	78,0	73,5	30,51		NW	1	Fine.
25	7	0	65,5	71,5	30,49		NW bW	1	Fine.
	2	0	82,0	76,5	30,45		SW	1	Fine.
26	7	0	60,5	65,0	30,35		NNE	1	Fair.
	2	0	70,0	70,5	30,37		NE	1	Cloudy.
27	7	0	56,0	65,0	30,36		NE by N	1	Fair.
	2	0	65,0	65,5	30,33		N by E	2	Cloudy.
28	7	0	55,0	61,5	30,40		NE	2	Fine.
	2	0	69,0	65,0	30,43		NE	2	Fine.
29	7	0	52,0	60,5	30,44		N by W	1	Fine.
	2	0	66,0	63,5	30,38		NW	1	Fine.
30	7	0	55,0	61,0	30,08		WSW	1	Fine.
	2	0	68,0	64,5	29,98		W by N	1	Cloudy.
31	7	0	47,0	57,5	30,03	0,044	NW	1	Fine.
	2	0	61,0	59,5	30,14		NW	2	Fine.

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	Time. H.	Time. M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Winds. Str.	Weather.
Sept. 1	7	0	44,5	55,0	30,13		SW	1	Fair.
	2	0	64,0	59,0	30,09		SW	1	Fine.
2	7	0	55,5	58,5	29,90		WNW	1	Rain.
	2	0	63,0	61,5	29,94		NW	1	Cloudy.
3	7	0	55,5	60,0	29,88	0,027	N by W	1	Cloudy.
	2	0	67,0	63,5	29,86		NW	1	Cloudy.
4	7	0	49,0	60,0	30,01		NE	1	Fine.
	2	0	65,0	62,0	29,98		NW	1	Fine.
5	7	0	50,0	59,0	30,00	0,015	NE by E	1	Fine.
	2	0	63,5	61,5	30,01		NW	1	Fine.
6	7	0	47,0	53,5	30,01		NE	1	Fine.
	2	0	64,5	59,5	29,99		NE	1	Cloudy.
7	7	0	56,0	58,0	29,87		NE	1	Cloudy.
	2	0	61,0	61,5	29,85		NE	1	Rainy.
8	7	0	53,5	59,5	29,95	0,024	NNE	1	Fine.
	2	0	68,0	63,5	30,03		NE	1	Fine.
9	7	0	52,0	59,0	30,09		NNE	1	Cloudy.
	2	0	64,5	62,0	30,05		ENE	1	Fine.
10	7	0	52,5	59,0	29,98		NE	1	Cloudy.
	2	0	65,0	62,5	29,93		SE	1	Fine.
11	7	0	55,5	59,5	29,54		E	1	Cloudy.
	2	0	54,0	60,5	29,48		NE	1	Rainy.
12	7	0	53,0	58,0	29,48	0,375	SW	1	Fair.
	2	0	61,5	61,0	29,50		W by N	2	Fine.
13	7	0	47,0	57,0	29,68	0,015	W by N	1	Fine.
	2	0	63,5	60,5	29,78		NW	1	Fine.
14	7	0	45,5	56,0	30,05		NE	1	Fair.
	2	0	63,5	59,0	30,15		NE	1	Fine.
15	7	0	46,5	54,5	30,23		NE	1	Fine.
	2	0	66,0	59,5	30,20		SE	1	Fine.
16	7	0	48,0	56,0	29,96		S by E	1	Fine.
	2	0	66,5	62,0	29,80		SE	1	Cloudy.

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	Time.	Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
Sept. 17	7 0	46,0	56,0	29,86	0,146	SSW	1	Fine.
	2 0	60,0	59,0	29,89		SW	1	Fine.
18	7 0	43,5	53,5	30,04		SW by S	1	Fine.
	2 0	63,0	57,5	30,09		WNW	1	Fine.
19	7 0	51,0	56,5	30,27		SW	1	Fine.
	2 0	66,5	60,0	30,30		WSW	1	Fine.
20	7 0	50,5	56,5	30,42		ENE	1	Fine.
	2 0	68,0	62,0	30,40		S	1	Fine.
21	7 0	49,5	57,0	30,42		NE	1	Fair.
	2 0	67,5	62,0	30,42		NE by E	1	Fine.
22	7 0	53,0	58,0	30,38		NE by N	1	Cloudy.
	2 0	69,0	67,5	30,39		NE	1	Fine.
23	7 0	58,5	62,5	30,26		E by N	1	Cloudy.
	2 0	71,0	67,5	30,21		NE	1	Fine.
24	7 0	52,0	62,5	29 99		SSW	1	Fair.
	2 0	67,5	65,0	29,99		NNW	1	Fine.
25	7 0	48,0	58,5	29,98		NNE	1	Fair.
	2 0	69,5	60,5	29,94		NE	1	Fine.
26	7 0	47,0	56,0	29,62		NE	1	Cloudy
	2 0	58,5	57,5	29,45		SSE	1	Cloudy
27	7 0	49,0	56,0	29,15	0,100	NNE	1	Cloudy.
	2 0	49,5	56,0	29,27		N by W	2	Rainy.
28	7 0	37,0	49 0	29,94	0,033	W by S	1	Fine.
	2 0	51,0	50,5	30,07		W by S	1	Fine.
29	7 0	36,5	47,0	30,27		S by W	1	Fair.
	2 0	53,5	50,0	30,30		SW	1	Fine.
30	7 0	45,5	49,0	30,03		SW	1	Fine.
	2 0	57,0	52,0	29,86		SSW	2	Fine.

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	Time. H.	Time. M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points	Winds. Str.	Weather.
Oct. 1	7	0	48,0	52,0	29,47	0,147	SSW	1	Fine.
	2	0	56,5	55,5	29,42		SW	1	Showery.
2	7	0	47,0	52,5	29,37	0,132	WSW	1	Fine.
	2	0	54,5	54,5	29,41		SW	1	Showery.
3	7	0	41,0	50,5	29,34	0,040	SW	1	Fair.
	2	0	54,5	53,0	29,36		NW	1	Fine.
4	7	0	41,0	50,0	29,50		SSW	1	Fair.
	2	0	54,0	52,5	29,58		NW	1	Cloudy and ſhowery.
5	7	0	42,0	50,0	29,66		N by W	1	Fair.
	2	0	57,0	53,5	29,69		NW	1	Fair.
6	7	0	44,0	50,5	29,60		NE by E	1	Cloudy.
	2	0	54,5	52,5	29,54		NE	1	Cloudy.
7	7	0	55,0	54,0	29,30	0,543	ENE	1	Rainy.
	2	0	64,5	68,5	29,27		ENE	1	Cloudy.
8	7	0	54,0	58,0	29,30	0,560	SSE	1	Fine.
	2	0	61,5	67,0	29,29		NE	1	Fine.
9	7	0	48,0	56,5	29,38	0,052	NE	1	Cloudy.
	2	0	59,0	59,0	29,38		NE	1	Fine.
10	7	0	52,0	57,0	29,40	0,207	NW bN	1	Cloudy.
	2	0	51,0	56,5	29,60		NE	1	Rainy.
11	7	0	38,5	50,5	29,75	0,010	WNW	1	Fine.
	2	0	51,0	51,5	29,76		NW	1	Fine.
12	7	0	34,0	46,0	29,91		W by N	1	Fair.
	2	0	51,0	48,5	29,96		W by N	1	Fine.
13	7	0	40,0	46,0	29,89		NE	1	Fair.
	2	0	53,0	49,0	29,85		NE	1	Fair.
14	7	0	35,5	45,5	29,72		NW	1	Fine.
	2	0	51,0	49,0	29,70		NW	2	Fine.
15	7	0	38,5	45,0	29,64		NE by N	1	Fine.
	2	0	61,0	59,5	29,79		N	1	Cloudy.
16	7	0	36,5	40,5	29,86		N	1	Fine.
	2	0	49,0	45,5	29,92		NE	1	Fair.

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	Time. H.	M.	Therm. without	Therm. within.	Barom Inches	Rain. Inch.	Winds. Points.	Str.	Weather.
Oct. 17	7	0	32,0	41,0	30,00		NNE	1	Fine.
	2	0	47,0	44,0	29,98		N by E	1	Fine.
18	7	0	31,5	40,0	29,98		S by E	1	Fair and frosty.
	2	0	50,0	43,5	30,00		SE	1	Fine.
19	7	0	33,5	40,5	29,90		NE by N	1	Fine.
	2	0	47,0	43,0	29,81		NE	1	Fine.
20	7	0	40,0	41,5	29,44		NE	1	Fair.
	2	0	49,0	45,0	29,44		NE	1	Cloudy.
21	7	0	39,5	43,5	29,52	0,025	WSW	1	Foggy.
	2	0	55,0	49 0	29,58		SW	1	Fine.
22	7	0	41,5	47,0	29,64	0,028	SW	1	Fine.
	2	0	53,0	49,0	29,75		SW	1	Fine.
23	7	0	54,5	50,0	29,31	0,320	S by E	2	Rainy.
	2	0	59,0	54,0	29,21		SW	2	Rainy.
24	7	0	54,5	54,5	29,18	0,465	NW	2	Rainy.
	2	0	61,5	57,0	29,17		NW	2	Showery.
25	7	0	52,5	56,5	29,20	0,133	SW by W	2	Cloudy.
	2	0	45,0	55,0	29,31		NE	1	Rainy.
26	7	0	33,5	47,0	29,79	0,037	NW b N	1	Fine.
	2	0	45,0	47,5	29,89		NW	1	Fine.
27	7	0	34,0	42,0	29,90		NE by N	1	Fair.
	2	0	47,0	45,0	29,89		NW	1	Fine.
28	7	0	45,0	44,5	29,74		ESE	1	Cloudy.
	2	0	54,0	51,0	29,72		ESE	1	Cloudy.
29	7	0	52,0	49,0	29,60	0,111	SSE	1	Cloudy.
	2	0	56,5	53,0	29,79		SE	1	Cloudy.
30	7	0	49,5	52,0	30,02	0,060	SW by W	1	Fair.
	2	0	55,0	53,0	30,16		SW	2	Fair.
31	7	0	52,0	52,5	29,84	0,033	NW	2	Cloudy.
	2	0	57,5	55,0	29,69		SW	3	Cloudy.

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	Time.		Therm. without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H.	M.			Inches	Inch.	Points.	Str.	
Nov. 1	8	0	45,5	51,0	30,00	0,015	WSW	2	Fine.
	2	0	54,5	51,5	30,11		NW	2	Fine.
2	8	0	45,0	50,0	30,24		W by S	1	Fine.
	2	0	55,0	52,0	30,27		SW	1	Fine.
3	8	0	45,0	49,0	29,93		SE	1	Cloudy.
	2	0	53,5	51,5	29,79		SSE	1	Fine.
4	8	0	52,0	51,5	29,49	0,034	NE	1	Cloudy.
	2	0	47,0	51,5	29,62		SW	1	Rainy.
5	8	0	36,0	46,0	29,54	0,310	SW	1	Cloudy.
	2	0	48,0	47,5	29,36		NE	1	Cloudy.
6	8	0	44,5	48,0	29,25	0,356	SE	1	Fair.
	2	0	51,5	49,5	29,25		SE	1	Cloudy.
7	8	0	46,0	48,5	29,36	0,562	SW b W	2	Fair.
	2	0	50,0	50,0	29,50		SW	2	Fine.
8	8	0	41,0	46,5	29,44	0,143	W by S	1	Cloudy.
	2	0	46,0	47,5	29,55		NW	1	Fine.
9	8	0	39,0	45,0	29,66		S by W	1	Fair.
	2	0	46,0	47,0	29,49		SE	1	Rainy.
10	8	0	42,5	46,0	29,40	0,333	W by S	1	Fair.
	2	0	47,0	47,0	29,51		NW	1	Fair.
11	8	0	45,5	45,0	28,95	0,140	SE	2	Rainy.
	2	0	41,0	46,0	29,07		SE	2	Cloudy.
12	8	0	32,5	42,5	29,50		WSW	1	Fair.
	2	0	43,5	43,5	29,59		SW	1	Fine.
13	8	0	35,0	41,0	29,73		WSW	1	Fair.
	2	0	45,0	43,0	29,83		NE	1	Cloudy.
14	8	0	39,5	41,5	29,78		E by N	1	Foggy.
	2	0	45,0	43,0	29,71		NE	1	Cloudy and rain.
15	8	0	51,0	47,0	29,43	0,264	SSE	1	Rainy.
	2	0	55,0	48,0	29,48		SW	1	Cloudy and rainy.
16	8	0	47,0	49,0	29,58	0,149	S by W	1	Fair.
	2	0	54,5	51,0	29,64		SW	1	Rainy.

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	Time	Therm without	Therm. within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches.	Inch.	Points.	Str.	
Nov. 17	8 0	49,5	50,5	29,59	0,249	SSW	1	Fair.
	2 0	52,0	51,5	29,58		SW	1	Fair.
18	8 0	44,0	49,5	29,61		WSW	1	Fair.
	2 0	47,0	48,0	29,66		SW	1	Fine.
19	8 0	45,5	47,5	29,87		N by W	1	Fair.
	2 0	47,0	47,5	29,99		NW	1	Cloudy.
20	8 0	45,5	48,0	29,97		SE by E	1	Cloudy.
	2 0	48,0	48,5	29,90		SE	1	Rainy.
21	8 0	46,0	47,5	30,00	0,234	S by W	1	Cloudy.
	2 0	50,0	49,0	30,01		SW	1	Rainy.
22	8 0	49,5	49,0	29,95		SW	1	Cloudy.
	2 0	51,0	52,0	29,90		SW	1	Cloudy.
23	8 0	55,0	53,0	29,63	0,168	SW	2	Cloudy.
	2 0	57,0	52,5	29,64		SW	2	Cloudy.
24	8 0	56,5	56,0	29,53	0,263	SW	2	Fair.
	2 0	56,0	57,5	29,45		SW	3	Rainy.
25	8 0	45,0	53 0	29,73	0,261	SW	2	Fine.
	2 0	49,0	52,0	29,96		SW	2	Fine.
26	8 0	41,0	48,0	30,10		WSW	1	Fine.
	2 0	48,5	50,0	29,84		SW	1	Fine.
27	8 0	50,0	51,0	29,26	0,318	SW	3	Rain and windy.
	2 0	45,0	49,5	29,35		SW	1	Fair.
28	8 0	41,5	48,5	29,85	0,025	SW	1	Fair.
	2 0	50,0	50,0	29,95		SW	1	Fine.
29	8 0	43,5	47,0	29,98		SE by S	1	Fair.
	2 0	50,0	38,0	29,88		NE	1	Fine.
30	8 0	42,0	47,5	29,77	0,073	NW	1	Fair.
	2 0	49,0	50,0	29,86		NW	1	Fine.

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	Time. H.	M.	Therm. without	Therm. within.	Barom. Inches.	Rain. Inch.	Winds. Points.	Str.	Weather.
Dec. 1	8	0	32,0	42,0	30,12		SW	1	Fair and frosty.
	2	0	40,0	41,0	30,02		SW	1	Fine.
2	8	0	36,0	40,0	29,54		SE	1	Fair.
	2	0	40,0	41,5	29,42		SW	1	Cloudy.
3	8	0	40,5	41 5	29,19	0,125	SE	1	Fair.
	2	0	45,0	46,0	29,16		SE	1	Cloudy.
4	8	0	43,0	44,5	28,55	0,495	SSE	2	Rain and much wind laſt n.
	2	0	44,0	43,0	28,79		SE	2	Rainy.
5	8	0	37,0	43,0	29,00	0,038	S	1	Fair.
	2	0	42,0	43,5	28,91		NNE	1	Rainy.
6	8	0	35,0	40,5	29,19	0,130	SW	1	Fair.
	2	0	40,5	44,5	29,37		SW	1	Fine.
7	8	0	50,5	44,5	29,03	0,206	SW by S	2	Fair.
	2	0	47,0	46,0	29,32		SW	2	Fair.
8	8	0	50,5	46,5	29,40	0,130	SSW	3	Rain and much wind laſt n
	2	0	55,0	58,5	29,45		SSW	3	Rainy.
9	8	0	48,5	50,5	29,79	0,187	SW	1	Fair.
	2	0	56,0	53,0	29,88		SW	1	Fair.
10	8	0	49,5	52,0	29,67	0,114	S by W	1	Cloudy.
	2	0	52,0	53,0	29,64		SW	1	Cloudy.
11	8	0	51,5	52,0	29,63	0,135	SW	2	Cloudy.
	2	0	54,5	53,5	29,58		SW	2	Cloudy.
12	8	0	53,0	54,0	29,48	0,036	SW by S	2	Cloudy.
	2	0	53,0	54,5	29,38		SW	2	Fine.
13	8	0	47,5	52,5	29,13	0,051	SW	1	Fair.
	2	0	48,0	52,5	29,21		SW	1	Rain.
14	8	0	42,0	48,5	29,44	0,350	SW by S	1	Fair.
	2	0	48,0	50,0	29,39		SE	1	Rainy and cloudy.
15	8	0	41,0	46,0	29,66	0,096	W by S	2	Fair.
	2	0	44,0	46,5	29,88		SW	1	Fine.
16	8	0	34,5	41,0	30,15		SW	1	Fair.
	2	0	42,0	43,0	30,21		SW	1	Cloudy.

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	Time.	Therm. without	Therm within.	Barom.	Rain.	Winds.		Weather.
	H. M.			Inches	Inch.	Points.	Str.	
Dec. 17	8 0	43,0	43,5	30,25		WSW	1	Cloudy.
	2 0	47,5	44,5	30,33		SW	1	Fine.
18	8 0	48,0	47,0	30,33		SW	1	Cloudy.
	2 0	52,0	50,0	30,36		SW	1	Cloudy.
19	8 0	49,5	51,0	30,19		SW	2	Cloudy.
	2 0	52,5	51,5	30,17		SW	1	Cloudy.
20	8 0	38,5	47,0	30,34	0,051	W by S	1	Fair.
	2 0	45,0	47,0	30,32		SW	1	Fine.
21	8 0	45,0	47,0	30,37		SW	1	Foggy.
	2 0	47,0	49,0	30,44		W	1	Foggy and cloudy.
22	8 0	44,5	47,5	30,38		WSW	1	Cloudy.
	2 0	45,0	48,5	30,35		WSW	1	Cloudy.
23	8 0	43,5	48,0	30,31	0,010	WSW	1	Rainy.
	2 0	45,0	50,0	30,36		NW	1	Cloudy and rain.
24	8 0	44,5	47,5	30,54	0,032	N by E	1	Cloudy and rainy.
	2 0	48,0	48,0	30,64		NE	1	Cloudy and rainy.
25	8 0	44,5	48,5	30,71	0,033	ESE	1	Foggy.
	2 0	46,0	49,0	30,75		ESE	1	Foggy and Cloudy.
26	8 0	34,5	44,5	30,77		SSW	1	Clear.
	2 0	40,0	45,0	30,81		SSW	1	Clear and fine.
27	8 0	33,0	40,0	30,73		SSW	1	Foggy.
	2 0	38,5	41,0	30,64		SSE	1	Cloudy.
28	8 0	39,0	41,5	30,16		SW	1	Fair.
	2 0	45,0	44,5	30,09		SW	1	Cloudy.
29	8 0	44,0	43,0	29,76	0,060	WSW	2	Rain and much wind laſt n.
	2 0	50,0	47,5	29,58		NW	2	Rain and cloudy.
30	8 0	35,5	42,0	29,89	0,040	W	1	Cloudy.
	2 0	42,0	43,0	29,87		SW	1	Fine.
31	8 0	48,5	45,5	29,60	0,125	W by S	2	Cloudy.
	2 0	50,0	46,5	29,18		SW	3	Cloudy.

1778.	Thermometer without.			Thermometer within.			Barometer.			Rain.
	Greateſt Height.	Leaſt Height.	Mean Height.	Greateſt Height.	Leaſt Height.	Mean Height.	Greateſt Height.	Leaſt Height.	Mean Height.	Inches.
January	48,0	22,0	37,1	48,5	30,0	38,9	30,22	28,59	29,88	2,111
February	49,0	25,5	38,2	48,0	32,5	39,6	30,35	29,15	29,82	0,527
March	60,0	31,5	42,3	58,0	35,0	43,4	30,43	29,02	29,78	1,243
April	71,5	34,5	50,0	63,0	42,0	51,3	30,24	29,30	29,76	0,734
May	71,5	49,0	58,5	65,0	52,0	58,4	30,28	29,34	29,89	1,133
June	82,0	51,0	65,0	78,0	55 0	66,3	30,36	29,64	30,05	0,957
July	86,0	58,5	70,3	81,0	63 0	71,0	30,29	29,48	29,98	3,053
Auguſt	82,0	47,0	67,0	76,5	57,5	68,0	30,51	29,59	30,31	1,039
September	71,0	36,5	56,1	67,5	47,0	58,4	30,42	29,15	29,77	0,735
October	64,5	31,5	48,3	68,5	40,0	50,3	30,16	29,17	29,63	2,903
November	57,0	32,5	47,0	57,5	38,0	45,1	30,27	28,95	29,68	3,897
December	56,0	32,0	44,7	58,5	40,0	46,7	30,81	28,55	29,85	2,440
Whole Year			52,0			53,1			29,86	20,772

VARIATION NEEDLE.

	7 h. A.M.	12 h. M.	2 h. P.M.	10 or 11 h. P.M.	Daily Means.
	° ′	° ′	° ′	° ′	° ′
June 29	– –	– –	– –	22 22	22 23
30	22 7	22 22	22 25	22 18	22 18
July 1	22 7	22 28	22 27	22 13	22 19
2	22 3	22 24	22 20	22 7	22 13
3	22 7	22 27	22 30	22 18	22 20
4	22 10	22 24	22 23	22 14	22 18
5	22 8	22 25	22 27	22 24	22 21
6	22 12	22 26	22 28	22 21	22 22
7	22 9	22 29	22 43	22 14	22 24
8	22 18	22 19	22 25	22 20	22 21
9	22 10	22 26	22 28	22 28	22 23
10	22 9	22 27	22 28	22 27	22 23
11	22 9	22 26	22 24	22 21	22 20
12	22 8	22 28	22 36	22 2	22 18
13	22 10	22 30	22 30	– –	22 17
Means	22 9	22 26	22 28	22 18	

Mean of all 22° 20′ 1/4.

It was found by the method deſcribed in Phil. Tranſ. vol. LXVI. p. 387. that the variation ſhewn by the in-

ſtrument is $9'\frac{1}{4}$ too great, ſo that the mean variation is really only 22° 11′; and, therefore, as the variation at the Society's Houſe ſeems to be $15'\frac{1}{2}$ greater than it ought to be, by reaſon of the magnetiſm of the building (*vide* the ſame place) the true variation ſeems to be 21° $55'\frac{1}{2}$.

The reaſon why the inſtrument now ſhews the variation $9'\frac{1}{4}$ too great, whereas before the errors was inſenſibls is, that a ſmall alteration has been made in the agate cap of the needle ſince the laſt year's obſervations, as it was thought not to have been faſtened before in a ſufficiently ſteady manner.

DIPPING NEEDLE.

	7 h. A.M.	12 h. M.	2 h. P.M.	10 or 11 P.M.	Mean.	
	° ′	° ′	° ′	° ′	°	
June 29	— —	— —	— —	73 35		
30	73 20	73 20	73 15	73 10	73 16	West mark down.
July 1	73 15	73 20	73 10	73 10		
2	73 15	73 15	73 10	73 20		
3	73 10	71 50	71 45	71 50		
4	71 50	71 50	71 50	71 50	71 47	East.
5	71 50	71 45	71 45	71 40		
6	71 50	71 40	71 40	71 25		
7	71 20	71 25	71 10	71 20	71 25	West mark uppermost.
8	71 25	71 25	71 25	71 30		
9	71 25	71 50	71 25	71 30		
10	71 15	73 15	73 10	73 10		
11	73 20	73 30	73 10	73 40	73 16	East
12	73 10	73 10	73 0	73 10		
13	73 20	73 15	73 25	— —		

THE END OF VOL. LXIX. PART I.